

ANNUAL REPORT  
UPON THE  
Public Health and Sanitary Condition  
OF THE  
GOOLE RURAL DISTRICT  
FOR THE YEAR  
— 1909, —  
BY  
BERNARD STEDMAN,  
M.D. (Lond)., D.P.H. (Camb.),  
MEDICAL OFFICER OF HEALTH.

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1910.



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TO THE

*Goole Rural District Council.*

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GENTLEMEN,

I beg to submit my Annual Report as Medical Officer of Health for the year 1909.

**BIRTHS & BIRTH RATE.**

199 were registered corresponding to a birth rate of 25·4. This is the lowest recorded for this district, and is 2 per thousand below the average. It is slightly below the birth rate for the rural districts of England and Wales which in 1909 was 25·6.

The birth rates in the Sub-districts were—Snaith 26·8; Swinefleet 20·7; Goole Rural 29·8.

**DEATHS & DEATH RATE.**

126 deaths of persons belonging to the district took place giving a rate of 16·1 per thousand. This, although below the average, is high for a rural district, being 1·6 above the rate recorded in 1909 for the rural portions of England and Wales.

Twenty-four deaths were infants under 1 year of age, half the number being due to wasting diseases; no death was recorded from the common infectious diseases. The infantile mortality (rate per 1000 births) was 120. Seventeen were legitimate infants, which with 184 legitimate births give an infantile mortality of 92. Fifteen illegitimate births and 7 deaths were recorded. The infantile mortality amongst these being 466.

The death rates in the Sub-districts were—Snaith 15·5; Swinefleet 16·4; and Goole Rural 17·6.

**INFECTIOUS DISEASES.**

Thirty-one notifications were received during the year, 11 being scarlet fever, 8 diphtheria, 8 erysipelas, 2 typhoid fever, 1 puerperal fever, and 1 case of phthisis to a pauper attended by the District Medical Officer, the notification of phthisis being compulsory in these cases.

Below is given the number of cases of infectious diseases notified during 1909 and previous years :—

		1909	1908	1907	1906
Scarlet Fever	...	11	15	9	14
Typhoid Fever	...	2	3	0	3
Diphtheria	...	8	1	0	13
Number of Cases removed to Isolation Hospital		5	11	5	11

Two cases of scarlet fever occurred in one house at Whitgift and three in another family at Reedness, the second child in each instance being attacked within a few days of the first case. The remaining six were isolated cases in various parts of the district. All were treated at their own homes.

The eight children who suffered from diphtheria were all isolated cases occurring at different times during the year. One child came into the district on December 24th, and was taken ill the following day ; others in her class at school had recently had the complaint. Five of the patients were removed to hospital.

The two notifications of typhoid fever were father and daughter in a house at Swinefleet.

The former probably contracted the complaint outside the rural district where he worked. He was treated at home. The child commenced a month later.

Owing to an outbreak of measles in Pollington, I recommended closure of the school from March 23rd to April 12th.

The Joint Isolation Hospital for the Goole Urban and Rural Districts is almost complete and should be ready for occupation in the course of a few weeks. It provides for the isolation of three diseases at one time and has accommodation for 28 patients.

#### HOUSING.

In February I reported upon three cottages which were unfit for habitation. One at The Barracks, Goole Fields, was not capable of being made habitable and a closing order was made by the Justices in March. The adjoining cottage had been closed voluntarily in January after notice under the Housing of the Working Classes Act.

A house in Taylor's Yard, Swinefleet, and one at Reedness were closed voluntarily after notice. They were in a dilapidated condition with insufficient sanitary conveniences and water supply.

In May notices were served upon the owners of two cottages on River Bank, Rawcliffe, one of which was extremely damp and dilapidated and not worth repair. This was closed at once. The other cottage has been made habitable.



Two houses near Rawcliffe Station were dilapidated and damp, with insufficient sanitary conveniences and water supply. I reported in June that they were unfit for habitation. Action was taken and the owner closed voluntarily.

At East Cowick a damp and dilapidated old cottage upon which I reported in October has been repaired and made fit for habitation. In November a notice under the Housing of the Working Classes Act was served upon the owner of two houses in Pinfold Lane, Pollington, which were found to be damp and dilapidated with insufficient drainage. Notice had previously been served to remove pigeons, of which a large number were kept by the owner in the top storey of these houses, and were the cause of considerable nuisance to the occupiers.

An order was made by the Snaith Justices for the closing of both houses.

A case of overcrowding in a house at East Cowick has been under the consideration of the Council on several occasions and notices served to abate the nuisance. As there was reason to suppose the matter was not remedied, I visited the house at midnight on September 4th, with the inspector of police and a constable. It is a cottage with one bedroom sufficiently large for three persons. In it were sleeping the mother, two daughters aged twenty and thirteen, a son aged fifteen, and two grandchildren aged four and two.

The mother was summoned at Snaith and the case adjourned for the two eldest children to be sent to the workhouse. They are incapable of earning their living, owing to mental deficiency. The nuisance has in this way been abated.

There are at present eleven slaughter houses in use in the district, ten having concrete floors in good condition. In one case the slaughter house which is also used as the butcher's shop is very faulty owing to bad floor and defective drainage. Notice has been served on the owner to remedy.

In two instances the gully is inside. The inner surfaces of the walls are not as a rule cemented but several are treated with pitch and tar for a certain height.

They are kept in fairly good condition and generally the refuse has been disposed of in satisfactory manner.

Systematic inspection at the time of slaughtering is not usually made.

Each year I have reported upon the bad condition of the water supply in several parishes in the district.

With the exception of Airmyn, which is supplied from a bore-hole in the red sand stone, and Pollington with a main from the Goole waterworks, all the villages are dependent on wells or tanks most of which are either contaminated or liable to contamination.

Early in 1907 plans and specifications were made for laying water mains in Snaith. Owing to opposition to the scheme by the Parish Council the work was not carried out.

In May the West Riding County Council made complaint to the Local Government Board that Snaith had not been provided with a supply of water. The District Council then served notice upon owners of property to obtain a wholesome supply for their houses. Beyond an attempt to clean out a few of the wells nothing has been done.

At Rawcliffe Bridge and Hook the same unsatisfactory conditions remain.

In previous annual reports I have mentioned the great scarcity of water in Swinefleet during summer months, the people being almost entirely dependent on rain water for their supply. Unfortunately the Goole Urban Council are not prepared to supply water to the Rural Council for this village.

As a result of house to house inspection made with the sanitary inspector in the parishes of Pollington, Gowdall, Airmyn and Swinefleet, many improvements have been carried out. Dilapidated sanitary conveniences have been remedied, cesspools converted into inspection chambers and other causes of nuisance abated.

At Rawcliffe Bridge a good deal has also been done. Considerable nuisance existed here from the keeping of pigs in too close proximity to dwelling-houses. After some difficulty these have been removed.

The scavenging at Snaith is still the cause of complaints. It is performed by a contractor for the District Council.

Twenty inspections have been made to the workshops and workplaces in the district. Two are bakehouses and are kept in clean and wholesome condition. The other workshops are chiefly small dressmaking or shoemaking establishments. Their sanitary state is satisfactory. No known outworkers are employed.

Details of Sanitary work carried out during the year appear in the inspector's report.

I am, Gentlemen,

Your Obedient Servant,

BERNARD STEDMAN,

M.D. (Lond)., D.P.H. (Camb).,

Medical Officer of Health

INSPECTIONS MADE, NUISANCES ABATED, &c.,  
DURING 1909.

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Number of Inspections made	...	...	741
Number of Nuisances found	...	...	120
Number of Nuisances abated	...	...	113
House Drains examined and Cleansed	...	...	45
Sinks Disconnected	...	...	—
Cesspools Removed and Gulleys substituted		...	7
Old Privies and Ashpits Reconstructed	...	...	2
New Privies	...	...	8
Houses Cleansed and Disinfected after Infectious Disease			18
New Houses and other Buildings	...	...	13
Lodging Houses Inspected	...	...	2
Slaughter Houses Cleansed and Limewashed		...	11
Wells Cleansed	...	...	—
Cowsheds and Dairies Inspected	...	...	65
Village Water Courses Cleansed	...	...	6½ miles

ROBERT PLEWES,

INSPECTOR.





TABLE I.

VITAL STATISTICS DURING 1909 AND PREVIOUS YEARS IN  
THE RURAL DISTRICT OF GOOLE.

Year	Population estimated to Middle of each year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE		DEATHS AT ALL AGES. TOTAL.		Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in the District.	Deaths of Residents regis- tered beyond the District.	DEATHS AT ALL AGES. NETT.	
		Number.	Rate.*	Number.	Rate per 1000 Births registered.	Number	Rate.*				Number.	Rate.*
1899	8050	225	28.0	37	164	130	16.1	..	..	8	138	17.0
1900	8000	217	28.3	42	185	161	20.1	..	..	10	171	21.2
1901	7937	238	29.9	28	118	108	13.6	..	..	5	113	14.2
1902	7930	215	27.1	31	144	119	15.0	..	..	4	123	15.5
1903	7930	237	29.9	40	168	130	16.4	..	..	9	139	17.5
1904	7900	214	27.1	28	130	127	16.1	..	..	18	145	18.3
1905	7900	204	25.8	36	176	115	14.5	..	..	10	125	15.8
1906	7900	236	28.6	32	141	118	14.9	..	..	12	130	16.4
1907	7850	204	26.0	22	108	95	12.1	..	..	11	106	13.5
1908	7810	208	26.6	30	144	104	13.3	..	..	14	118	15.1
Averages for years 1899-1908.	7920	219	27.6	33	150	121	15.2	..	..	10	131	16.5
1909	7810	199	25.4	24	120	115	14.7	..	..	11	126	16.1

\*Rates calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water) .. 38238

Total Population at all ages	..	..	..	7937	} At Census of 1901.
Number of Inhabited Houses	..	..	..	1853	
Average Number of Persons per House	..	..	..	4.3	



TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1909 AND  
PREVIOUS YEARS IN THE RURAL DISTRICT OF GOOLE.

NAMES OF LOCALITIES.	SNAITH.				SWINFLEET.				GOOLE RURAL.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1899	4050	117	76	20	2600	74	44	11	1400	34	18	6
1900	4050	128	92	22	2550	61	58	16	1400	38	21	5
1901	4132	117	62	16	2438	74	36	7	1367	47	15	5
1902	4150	119	66	15	2425	63	36	12	1355	33	21	4
1903	4150	125	81	26	2425	69	37	10	1355	43	21	4
1904	4150	117	84	15	2410	64	45	11	1340	36	16	2
1905	4150	116	61	17	2410	63	46	13	1340	25	18	6
1906	4150	126	67	15	2410	61	42	10	1340	39	21	7
1907	4150	119	53	15	2360	51	35	4	1340	34	18	3
1908	4180	125	74	19	2320	51	29	8	1310	32	15	3
Averages of Years 1899 to 1908	4131	120	71	18	2434	63	41	10	1355	36	19	5
1909	4180	112	65	15	2320	48	38	5	1310	39	23	4

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR  
1909, IN THE RURAL DISTRICT OF GOOLE.

NOTIFIABLE DISEASES.	Cases Notified in Whole District.						Total Cases Notified in each Locality.			No. Cases Removed to Hospital from each Locality.			Total Cases removed to Hospital.	
	At all Ages.	At Ages—Years.					Snaitl.	Swinefleet	Goole Rural.	Snaitl.	Swinefleet	Goole Rural.		
		Under 1.	1 to 5	5 to 15.	15 to 25.	25 to 65.								65 and upwards
Small-pox ...	...	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Diphtheria .. including Membranous Cr'up }	8	...	1	7	...	...	2	3	3	3	2	2	5	5
Erysipelas ...	8	...	...	..	..	8	3	2	3	3	..	..	..	..
Scarlet Fever ...	11	1	3	7	...	...	1	9	1	1	..	..	..	..
Typhus Fever ...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Enteric Fever ...	2	...	...	1	..	1	..	2	..	..	..	..	..	..
Relapsing Fever ...	...	..	...	...	...	...	..	..	..	..	..	..	..	..
Continued Fever ...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Puerperal Fever ...	1	...	...	...	...	1	1	..	..	..	..	..	..	..
Phthisis ...	1	...	...	...	...	1	..	..	1	..	..	..	..	..
Totals ...	31	1	4	15	...	11	7	16	8	2	1	2	5	5

Isolation Hospital at Goole provided by the Goole Urban Council.

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909, IN  
THE RURAL DISTRICT OF GOOLE.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.						DEATHS IN LOCALITIES			Deaths in Public Institutions.
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Snath.	Swinefleet	Goole Rural
Small-pox ..	..	..	..	..	..	..	..	..	..	..
Measles ..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever ..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ..	..	1	..	..	..	..	..	..	..	1
Diphtheria and Membranous Croup ..	1	..	..	..	..	..	..	..	..	..
Croup ...	..	..	..	..	..	..	..	..	..	..
Fever { Typhus ..	..	..	..	..	..	..	..	..	..	..
{ Enteric ..	..	..	..	..	..	..	..	..	..	..
{ Other continued ..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza ..	3	..	..	..	..	..	3	..	3	..
Cholera ..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	1	..	..	..	..	1	1	..	1
Diarrhoea ..	2	..	..	..	..	..	1	..	..	1
Enteritis ..	1	..	..	..	..	..	..	1	..	..
Puerperal Fever ..	1	..	..	..	..	..	..	..	..	..
Erysipelas ..	..	..	..	..	..	..	..	..	..	..
Phthisis ..	3	..	..	..	..	..	2	2	..	1
Other Tuberculous Diseases ..	6	3	2	..	..	..	..	3	..	3
Cancer, Malignant Disease ..	2	..	..	..	..	..	1	1	1	..
Bronchitis ..	9	2	1	..	1	..	..	4	3	2
Pneumonia..	14	1	6	1	..	..	2	6	7	1
Pleurisy ..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs ..	2	..	..	..	..	2	..	1	..	1
Alcoholism, Cirrhosis of Liver ..	2	..	..	..	..	2	..	..	1	1
Venereal Diseases ..	..	..	..	..	..	..	..	..	..	..
Premature Birth ..	5	5	..	..	..	..	..	1	3	1
Diseases and Accidents of Parturition ..	2	..	..	..	1	..	..	1	..	1
Heart Diseases ..	16	2	1	..	2	5	9	14	2	..
Accidents ..	5	..	1	..	..	1	1	2	2	..
Suicides ..	2	..	..	..	..	..	1	1	1	..
All other causes ..	50	10	3	..	1	11	25	27	15	8
All causes ..	126	24	14	1	5	31	51	65	38	23

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.—DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE IN THE RURAL DISTRICT OF GOOLE.

CAUSE OF DEATH.	Deaths in the Year of																	Total Deaths under 1 Year.
	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.		
All Causes—Certified ...	9	2	..	2	13	1	1	2	2	..	1	..	1	..	1	2	24	
Diarrhoea, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	
Enteritis, Muco-enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gastro-enteritis...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gastritis, Gastro Intestinal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Catarrh ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Premature Birth	4	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	5	
Congenital Defects	2	..	..	..	2	..	..	..	1	..	..	..	..	..	..	..	3	
Atrophy, Debility, Marasmus	1	2	..	1	4	..	..	..	..	..	..	..	1	..	..	..	4	
Tuberculosis Meningitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
Tuberculous Peritonitis :	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tabes Mesenterica }	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	
Other Tuberculous Diseases	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Meningitis (not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Convulsions...	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	1	3	
Bronchitis ..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2	
Pneumonia ..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1	
Other Causes	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	
	9	2	..	2	13	1	1	2	2	..	1	..	1	..	1	2	24	

Births in the Year { legitimate 184  
                                  illegitimate 15  
Population Estimated to middle of 1909—7810.

Deaths in the Year of { legitimate infants 17.  
                                  illegitimate infants 7.  
Deaths from all Causes at all Ages—126.